



Figure similar

SIMATIC S7-1200, Digital output SB 1222, 4 DQ, 5V DC 200kHz

General information	
Product type designation	SB 1222, DQ 4x5 V DC 200 kHz
Input current	
from backplane bus 5 V DC, typ.	35 mA
Power loss	
Power loss, typ.	0.5 W
Digital outputs	
Number of digital outputs	4; MOSFET, solid-state (current-sinking/current-sourcing)
• in groups of	4
Short-circuit protection	No
Switching capacity of the outputs	
• with resistive load, max.	0.1 A
Output voltage	
• Rated value (DC)	5 V
• for signal "0", max.	0.2 V
• for signal "1", min.	L+ minus 0.7 V DC
• for signal "1", max.	6 V
Output current	
• for signal "1" rated value	0.1 A
• for signal "1" permissible range, max.	0.1 A
Cable length	
• shielded, max.	50 m
Interrupts/diagnostics/status information	
Diagnostics indication LED	
• for status of the outputs	Yes
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes
UL approval	Yes
cULus	Yes
FM approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
Marine approval	Yes
Ambient conditions	
Free fall	
• Fall height, max.	0.3 m; five times, in product package
Ambient temperature during operation	

- min. -20 °C
- max. 60 °C
- horizontal installation, min. -20 °C
- horizontal installation, max. 60 °C
- vertical installation, min. -20 °C
- vertical installation, max. 50 °C

**Ambient temperature during storage/transportation**

- min. -40 °C
- max. 70 °C

**Air pressure acc. to IEC 60068-2-13**

- Storage/transport, min. 660 hPa
- Storage/transport, max. 1 080 hPa

**Relative humidity**

- Operation at 25 °C without condensation, max. 95 %

**Mechanics/material**

Enclosure material (front)	
• Plastic	Yes

**Dimensions**

Width	38 mm
Height	62 mm
Depth	21 mm

**Weights**

Weight, approx.	35 g
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**Classifications**

	Version	Classification
eClass	14	27-24-22-04
eClass	12	27-24-22-04
eClass	9.1	27-24-22-04
eClass	9	27-24-22-04
eClass	8	27-24-22-04
eClass	7.1	27-24-22-04
eClass	6	27-24-22-04
ETIM	10	EC001419
ETIM	9	EC001419
ETIM	8	EC001419
ETIM	7	EC001419
IDEA	4	3566
UNSPSC	15	32-15-17-05

**Approvals / Certificates**

**General Product Approval**

[Manufacturer Declaration](#)


[Miscellaneous](#)



**General Product Approval**      **EMV**      **For use in hazardous locations**


[China RoHS](#)
[Manufacturer Declaration](#)




**For use in hazardous locations**      **Maritime application**

[EM](#)



[Miscellaneous](#)

[CCC-Ex](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



[CCS \(China Classification Society\)](#)

[KR \(Korean Register of Shipping\)](#)

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